

Title (en)

A method for detecting dirt of a detection head of yarn clearer and system for the same

Title (de)

Verfahren zum Erkennen von Verschmutzung auf einem Detektionskopf eines Fadenreinigers und System dafür

Title (fr)

Procédé pour la détection de saletés d'une tête de détection d'un épurateur de fil et système correspondant

Publication

EP 1873105 A3 20081001 (EN)

Application

EP 07111082 A 20070626

Priority

JP 2006176293 A 20060627

Abstract (en)

[origin: EP1873105A2] A method for detecting dirt of a plurality of detection heads of yarn clearer which are mounted on a unit system comprising a plurality of spindles and which monitor yarn clearer of yarn quality and the like of each spindle in which whether data change of yarn thickness () and/or yarn uniformity degree (CV%) obtained based on yarn unevenness signal output from a yarn clearer of predetermined spindle are attributed to intrinsic property of the monitored yarn or attributed to dirt of the above mentioned detection head is judged based on a relation between yarn thickness data and/or yarn uniformity degree (CV%) obtained based on yarn unevenness signal output from a yarn clearer of the other spindle.

IPC 8 full level

B65H 63/06 (2006.01)

CPC (source: EP)

B65H 63/06 (2013.01); **B65H 63/065** (2013.01); **D01H 13/165** (2013.01); **D01H 13/22** (2013.01); **D01H 13/32** (2013.01); **G01B 11/105** (2013.01); **B65H 2301/531** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [A] US 4924406 A 19900508 - BERGAMINI GIORGIO [IT], et al
- [A] US 5210735 A 19930511 - HOSHINO TAKASHI [JP], et al
- [A] EP 0945533 A1 19990929 - LUWA AG ZELLWEGER [CH]
- [A] EP 0907079 A1 19990407 - MURATA MACHINERY LTD [JP]
- [A] EP 0271728 A2 19880622 - MASSEN ROBERT

Cited by

CN111235709A; CN104499132A; CN104532423A; CN111670358A; US10605798B2; WO2019130209A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1873105 A2 20080102; **EP 1873105 A3 20081001**; JP 2008007214 A 20080117

DOCDB simple family (application)

EP 07111082 A 20070626; JP 2006176293 A 20060627